



**** CONFIDENTIAL ****
 ****PRE-DECISIONAL DOCUMENT ****

**** SUMMARY SCORESHEET ****

**** FOR COMPUTING PROJECTED HRS SCORE ****

**** Do Not Cite or Quote ****

Site Name: Edison Stamping and
Manufacturing

Region: 2

City, County, State: South Plainfield,
Middlesex NJ

Evaluator: Steve Hoke

EPA ID#: NJD061056198

Date: 2/9/2010

Lat/Long: 40.55889 / -74.438056

T/R/S:

Congressional District: 18

This Scoresheet is for: SI

Scenario Name: Site Investigation

Description: ESM was investigated as a possible contaminant source for the Franklin Street Ground Water Contamination. NJDEP compiled file information and performed a subsurface investigation at the site.

	S pathway	S ² pathway
Ground Water Migration Pathway Score (S _{gw})	100	10000
Surface Water Migration Pathway Score (S _{sw})		
Soil Exposure Pathway Score (S _s)		
Air Migration Score (S _a)		
$S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		10000
$(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		2500
$\sqrt{(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4}$		50

* Pathways not assigned a score (explain): Soil - No surface spills, subsurface release to septic
 Air - Hazardous Materials are no longer used at the site.
 Surface Water - All contamination is subsurface.

DECLASSIFIED

12/22/14
 Date: _____ Initial: *jk*

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Aquifer Evaluated Passaic Formation		
Likelihood of Release to an Aquifer:		
1 Observed Release	550	550
2 Potential to Release.		
2a Containment	10	
2b Net Precipitation	10	
2c Depth to Aquifer	5	
2d Travel Time	35	
2e Potential to Release [(lines 2a(2b + 2c + 2d)]	500	
3 Likelihood of Release (higher of lines 1 and 2e)	550	550
Waste Characteristics:		
4 Toxicity/Mobility	(a)	10000
5 Hazardous Waste Quantity	(a)	10
6 Waste Characteristics	100	18
Targets:		
7 Nearest Well	(b)	3
8 Population		
8a Level I Concentrations	(b)	
8b Level II Concentrations	(b)	
8c Potential Contamination	(b)	1095
8d Population (lines 8a + 8b + 8c)	(b)	1095
9 Resources	5	0
10. Wellhead Protection Area	20	
11. Targets (lines 7 + 8d + 9 + 10)	(b)	1098
Ground Water Migration Score for an Aquifer:		
12 Aquifer Score [(lines 3 x 6 x 11)/82,500] ^c	100	100
Ground Water Migration Pathway Score:		
13 Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated) ^c	100	100

^a Maximum value applies to waste characteristics category^b Maximum value not applicable^c Do not round to nearest integer